

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Chan Woo PARK, et al.

Serial No.: New Application Group Art Unit: Not Yet Assigned

Filed: March 15, 2004 Examiner: Not Yet Assigned

Title: METHOD FOR MANUFACTURING NANO-GAP ELECTRODE DEVICE

INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

March 16, 2004

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney, submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached.

In accordance with 37 CFR §1.97(b)(1) or (2), this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, or within three months of the date of entry into the national stage of the above-identified application as set forth in 37 CFR §1.491. Accordingly, no fee is required.

Respectfully submitted,

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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.: P69578US0 GROUP ART UNIT: Not Yet Assigned
 SERIAL NO.: New Application FILING DATE: March 16, 2004
 APPLICANT(S): Chan Woo PARK, et al. TODAY'S DATE: March 16, 2004

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	INT'L CLASS	SUB- CLASS	FILING DATE (If Appropriate)
AA	<u>5,751,156</u>	<u>05/12/98</u>	<u>Muller et al.</u>	<u>G01R</u>	<u>19/00</u>	<u>06/07/95</u>
AB	<u>6,447,663</u>	<u>09/10/02</u>	<u>Lee et al.</u>	<u>C25D</u>	<u>5/18</u>	<u>10/24/00</u>

U.S. PATENT APPLICATION PUBLICATIONS

PUBLICATION NUMBER	DATE	NAME	INT'L CLASS	SUB- CLASS	FILING DATE (If Appropriate)
AC <u>2002/0168810</u>	<u>11/14/02</u>	<u>Jackson</u>	<u>H01L</u>	<u>21/00</u>	<u>03/29/02</u>

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AD M.A. Reed, et al.; "Conductance of a Molecular Junction"; Science; Vol. 278; October 10, 1997; pp. 252-254.

AE Hongkun Park, et al.; "Fabrication of metallic electrodes with nanometer separation by electromigration"; Applied Physics Letters; Volume 75, Number 2; July 12, 1999, pp. 301-303. ; July 1998;

AF Michael Austin, et al.; "Fabrication of nanocontacts for molecular devices using nanoimprint lithography"; J. Vac. Sci. Technol. B; Vol. 20, No. 2; Mar/Apr 2002; pp.665-667.

AG A.F. Morpurgo, et al.; "Controlled fabrication of metallic electrodes with atomic separation"; Applied Physics Letters; Volume 74, Number 14; April 5, 1999; pp. 2084-2086.

AH Y.V. Kervennic, et al.; "Nanometer-spaced electrodes with calibrated separation"; Applied Physics Letters; Volume 80, Number 2; January 14, 2002; pp. 321-323.

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).